

# COIL WINDING

## BENCH TYPE

### MODEL No. 74

#### AUTOMATIC STOP

A Bi-Directional single level preset counter counts from 1 to 999,999 turn counts. Registers turn count whether adding or subtracting turns. The counter displays the turn count and tachometer reading. It stops the winder at the preset number. The stopping position can be advanced up to one full turn to compensate for inertia over-ride under various loads and speeds.

#### LIGHT DUTY WINDER

Constant torque winding machine. A permanent magnet DC motor drives a gear reducer. Engineered for those who require a coil winder with limited pulling power, and a wide infinitely variable speed range.

#### PERMANENT MAGNET DC MOTOR DRIVE

Gives you soft, smooth starting and stopping. Controlled acceleration and deceleration from zero to full speed prevents shock loads, which could break the wire. The drive is reversible and can operate continuously at rated torque throughout the specified speed range.

#### SPEED CONTROL

Speed is controlled by the foot pedal. The operator has full control of acceleration and deceleration of the entire speed range by use of the remote foot pedal. The winder will accelerate to the same speed every time the foot pedal is depressed.

#### SAFETY FEATURE

The operator may stop the machine instantly at any desired turn count by removing pressure from the foot pedal. Starting and stopping remains in control of the foot pedal.

#### COIL WEIGHT CAPACITY

Loads up to 240 Lbs. when used with an outboard support.



Illustrates Model 74 with foot pedal included

#### IMPORTANT

When ordering, be sure to specify: Voltage and clockwise or counter-clockwise rotation of the face plate.

#### SPEED AND TORQUE RANGES

MODELS	RPM SPEED	LB. FT. TORQUE	H.P. DRIVE
74	0-490	7	3/4 HP.
74A	0-490	10	1 HP.

**ace**  
**ACE EQUIPMENT COMPANY**  
**4725 MANUFACTURING ROAD**  
**CLEVELAND, OHIO 44135**  
**WWW.ARMATURECOIL.COM**  
 800-255-1241 • 216-267-6366 • FAX 216-267-4361

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## SPECIFICATIONS

### MOTOR

Model 74                      3/4 H.P., 2500 R.P.M., 90 VDC  
Model 74A                    1 H.P., 2500 R.P.M., 90 VDC

### DC CONTROL POWER

Model 74            120/240 VAC, 1 Phase, 50/60 HZ  
Model 74A        120/240 VAC, 1 Phase, 50/60 HZ

### PULLING POWER

Torque is developed by an in-line double reduction gear reducer.

### FACE PLATE

8" Dia. with 4 slots, which readily accomodates all types of special winding forms, fixtures, and heads.

### BRAKING

A heavy duty electromagnetic spring-set Disc brake is mounted on the input shaft to produce accurate positive stopping.

### FACE PLATE OUTPUT SHAFT

1" Dia. shaft.

### GEARS

Double reduction precision ground gears.

### SWING

5-1/2" Height from bench to center of face plate.

### POWER

Model 74                      14 F.L. Amps, 120V., 1 P, 50/60 HZ  
                                     7 F.L. Amps, 240V., 1 P, 50/60 HZ

Model 74A                    18.5 F.L. Amps, 120V., 1 P, 50/60 HZ  
                                     9.2 F.L. Amps, 240V., 1 P, 50/60 HZ

### ENCLOSURE

Formed heavy guage cabinet containing mechanical and electrical components. Designed for easy maintenance accessibility.

### MODIFICATIONS

The winder is designed to be easily modified to meet customer speed and torque specifications.

DIMENSIONS	21"W x 30"D x 14"H
NETWEIGHT	160 Lbs.
GROSSWEIGHT	200 Lbs.

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